

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P1067445

Luminaire Tested: **NAV-SA3A-727-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067445
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3A-727-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8952.7 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 82
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

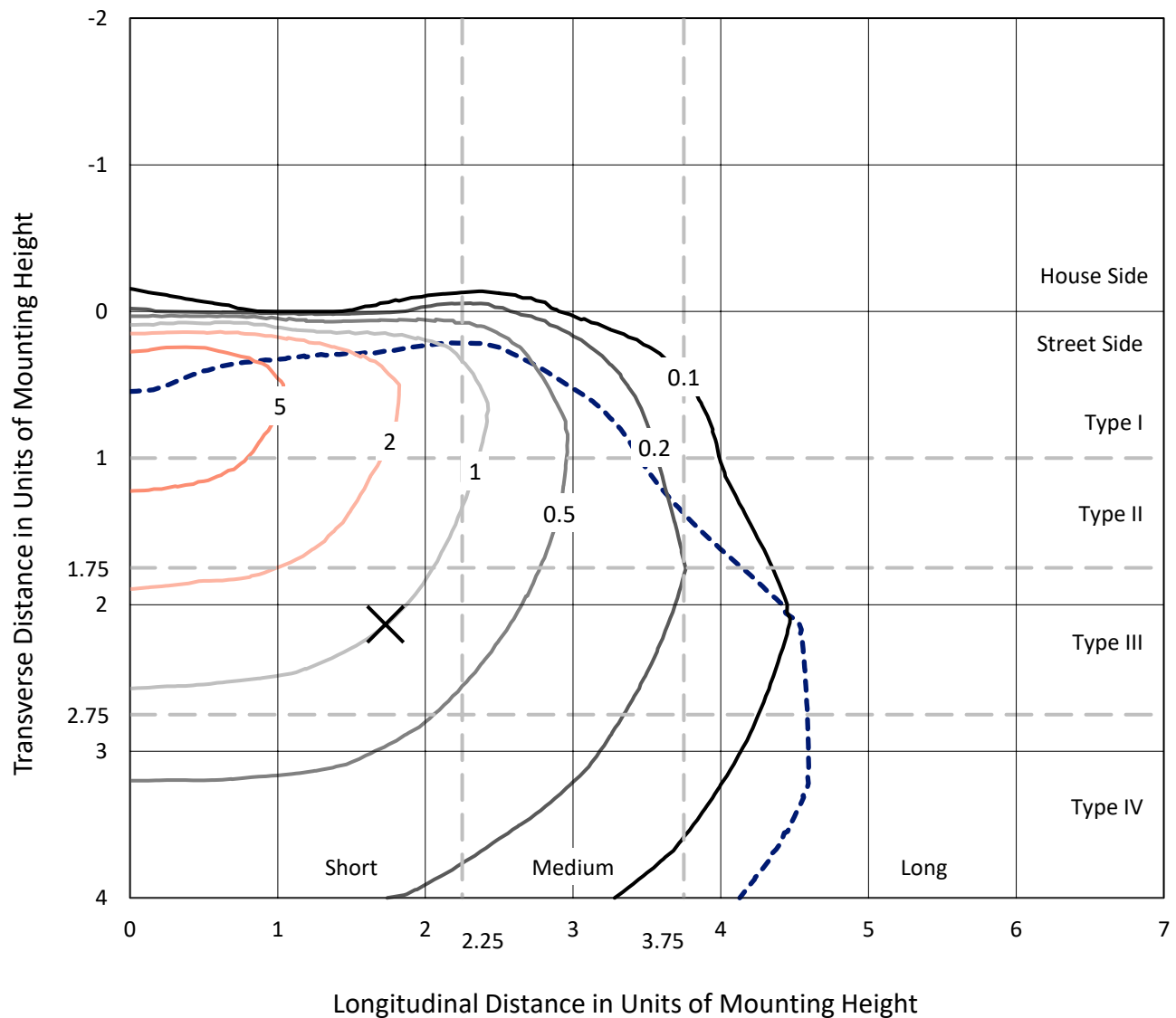


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

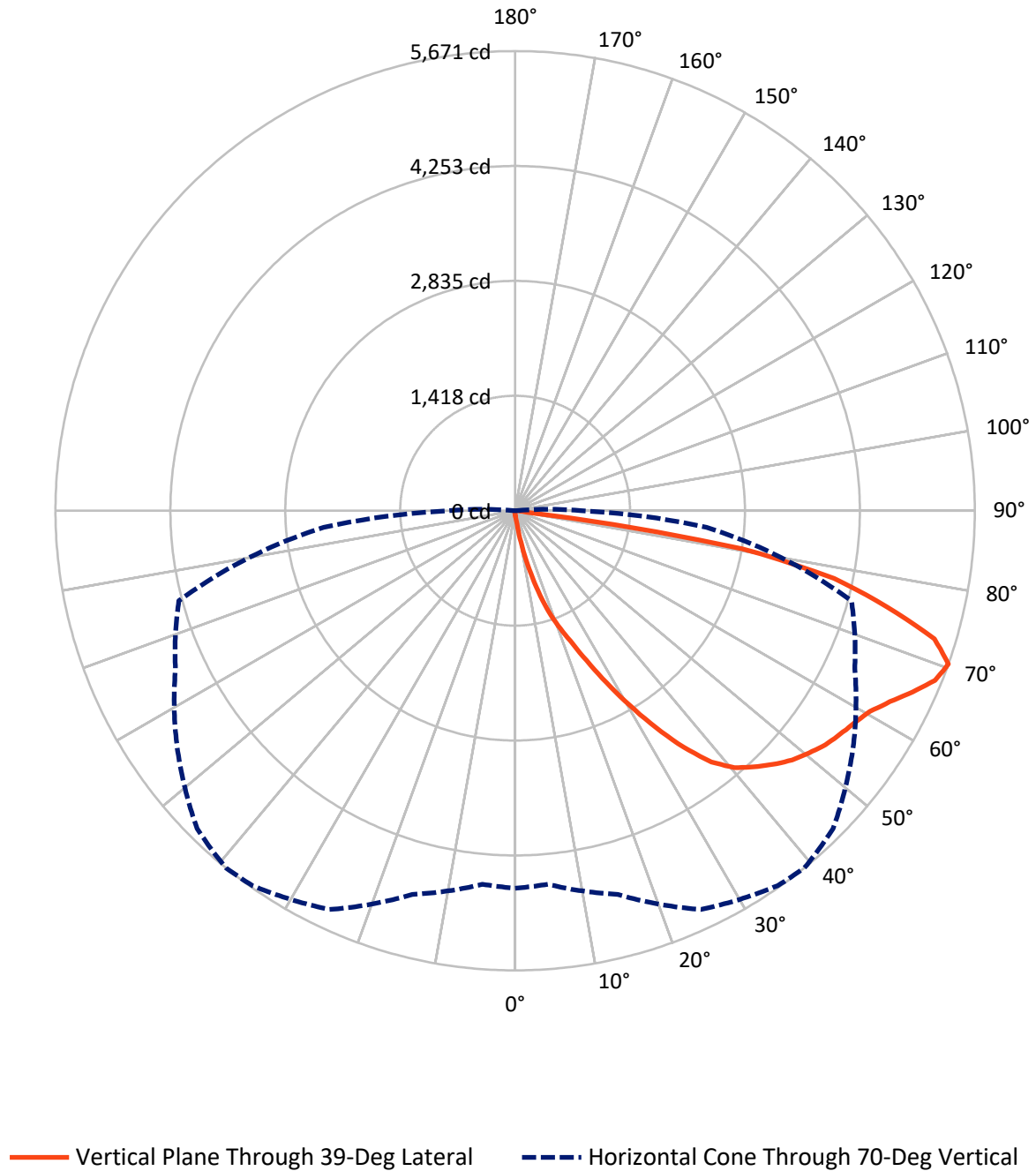


Based on 15 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.6	0.0	27.6
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	8925.1	0.0	8925.1
	% Fixture	99.7	0.0	99.7
Total	Lumens	8952.7	0.0	8952.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.1
10°-20°	110.1	1.2
20°-30°	373.5	4.2
30°-40°	877.8	9.8
40°-50°	1425.3	15.9
50°-60°	1806.2	20.2
60°-70°	2294.3	25.6
70°-80°	1864.1	20.8
80°-90°	191.9	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8952.7	100.0
0°-180°	8952.7	100.0



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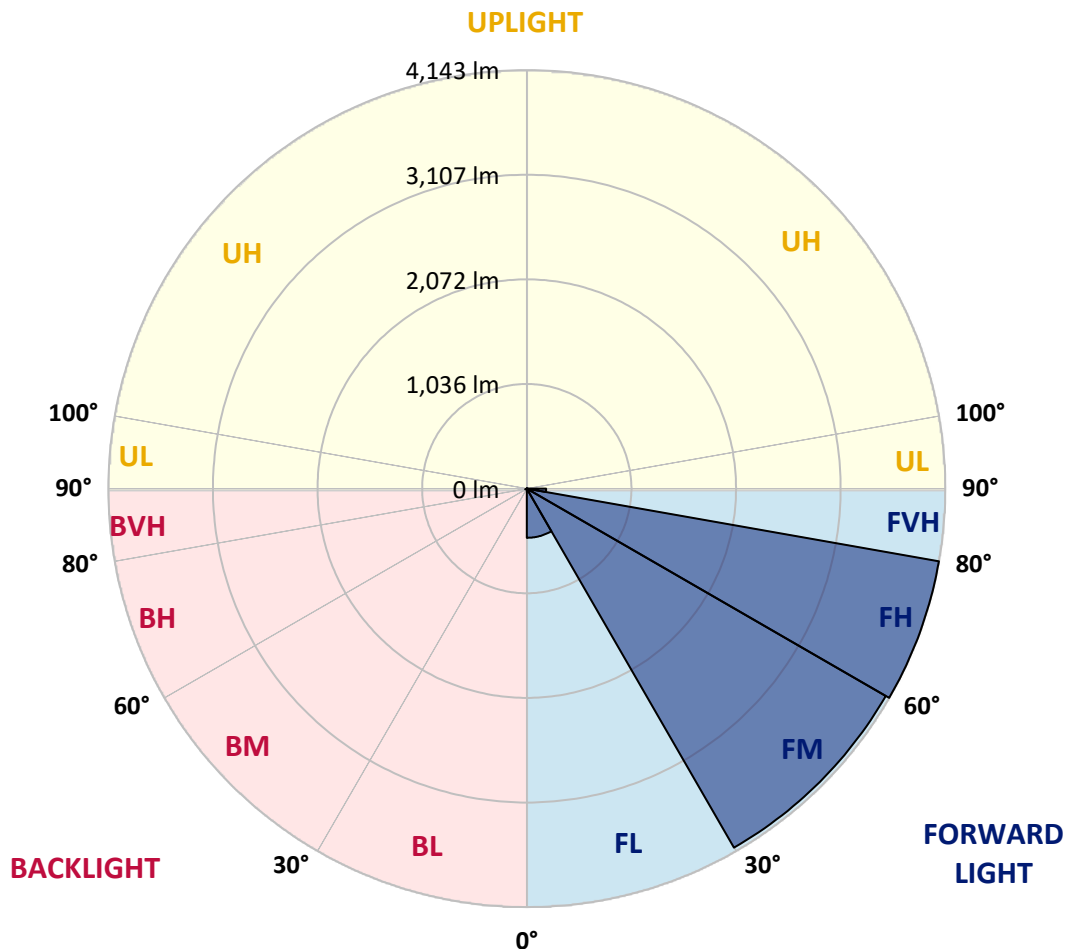
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	487.0	5.4			
FM	(30°-60°)	4104.0	45.8			
FH	(60°-80°)	4143.3	46.3			G2/5000
FVH	(80°-90°)	190.8	2.1			G2/225
BL	(0°-30°)	6.0	0.1	B0/110		
BM	(30°-60°)	5.3	0.1	B0/220		
BH	(60°-80°)	15.2	0.2	B0/110		G0/110
BVH	(80°-90°)	1.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short



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CATALOG NUMBER: NAV-SA3A-727-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
2.5°	63.2	63.2	63.2	60.8	60.8	58.3	58.3	55.9	53.5	53.5	51.0
5°	119.1	121.5	114.2	99.7	89.9	85.1	80.2	68.1	60.8	55.9	51.0
7.5°	325.7	316.0	301.4	252.8	194.5	165.3	141.0	99.7	72.9	58.3	51.0
10°	685.4	658.7	617.4	551.8	437.5	391.3	303.8	182.3	102.1	65.6	51.0
12.5°	1006.3	1011.1	960.1	896.9	758.4	680.6	561.5	342.7	160.4	77.8	51.0
15°	1249.3	1244.5	1225.0	1174.0	1050.0	974.7	867.7	576.1	269.8	97.2	53.5
17.5°	1441.4	1421.9	1414.6	1392.8	1312.5	1271.2	1154.6	848.3	427.8	131.3	55.9
20°	1633.4	1628.5	1621.2	1596.9	1543.5	1514.3	1424.4	1123.0	636.8	187.2	60.8
22.5°	1912.9	1886.2	1891.0	1837.6	1793.8	1742.8	1669.8	1414.6	877.5	267.4	68.1
25°	2241.0	2238.6	2199.7	2175.4	2102.5	2046.6	1949.4	1696.6	1144.8	386.5	75.3
27.5°	2627.5	2600.8	2583.8	2542.4	2467.1	2403.9	2270.2	1976.1	1434.1	520.2	85.1
30°	3031.0	3031.0	2999.4	2936.2	2863.3	2785.5	2649.4	2270.2	1720.9	690.3	97.2
32.5°	3502.5	3512.3	3434.5	3339.7	3244.9	3191.4	3014.0	2603.2	1995.5	884.8	111.8
35°	3959.5	3947.3	3818.5	3714.0	3643.5	3585.2	3434.5	2967.8	2306.7	1110.8	131.3
37.5°	4397.0	4365.4	4151.5	4003.3	3971.7	3932.8	3782.1	3332.4	2615.4	1361.2	155.6
40°	4710.6	4662.0	4440.8	4236.6	4190.4	4168.5	4051.9	3663.0	2941.1	1640.7	187.2
42.5°	4846.7	4790.8	4637.6	4472.4	4370.3	4319.2	4217.1	3932.8	3266.8	1951.8	233.3
45°	4873.4	4829.7	4720.3	4681.4	4542.9	4465.1	4326.5	4124.8	3570.6	2260.5	296.5
47.5°	4776.2	4756.7	4691.1	4773.8	4703.3	4596.3	4428.6	4268.2	3840.4	2634.8	384.0
50°	4538.0	4523.4	4555.0	4771.3	4819.9	4698.4	4540.4	4380.0	4073.7	3021.3	508.0
52.5°	4217.1	4214.7	4363.0	4708.1	4871.0	4795.6	4649.8	4491.8	4258.5	3395.6	683.0
55°	3867.1	3908.5	4168.5	4649.8	4900.2	4866.1	4756.7	4591.5	4423.8	3743.2	965.0
57.5°	3838.0	3821.0	4071.3	4625.5	4917.2	4936.6	4863.7	4696.0	4564.7	4027.6	1341.7
60°	4129.6	4090.8	4185.5	4676.5	4992.5	5026.5	4970.6	4776.2	4705.7	4251.2	1837.6
62.5°	4467.5	4431.0	4479.7	4873.4	5140.8	5189.4	5118.9	4858.8	4819.9	4406.7	2369.9
65°	4737.3	4708.1	4800.5	5167.5	5347.4	5388.7	5340.1	5012.0	4871.0	4533.1	2802.5
67.5°	4781.1	4744.6	4936.6	5364.4	5556.4	5585.6	5546.7	5160.2	4854.0	4542.9	2902.2
70°	4657.1	4625.5	4900.2	5427.6	5646.4	5670.7	5546.7	5089.7	4623.1	4294.9	2372.3
72.5°	4275.5	4299.8	4654.7	5274.5	5522.4	5410.6	5148.1	4734.9	4324.1	3641.1	1665.0
75°	3682.4	3709.1	4180.7	4854.0	4873.4	4737.3	4596.3	4355.7	3869.6	2399.0	1154.6
77.5°	2617.8	2523.0	3227.9	4008.1	3937.6	4025.1	4037.3	3624.1	3240.0	1249.3	772.9
80°	257.6	218.8	405.9	1149.7	2540.0	2839.0	2955.6	2792.8	2389.3	559.0	405.9
82.5°	55.9	55.9	60.8	65.6	102.1	153.1	702.5	1720.9	1543.5	284.4	131.3
85°	31.6	31.6	38.9	46.2	60.8	68.1	80.2	106.9	415.6	102.1	24.3
87.5°	24.3	26.7	31.6	38.9	51.0	55.9	68.1	85.1	104.5	94.8	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: NAV-SA3A-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
2.5°	51.0	48.6	46.2	43.8	41.3	41.3	38.9	38.9	38.9	38.9	38.9
5°	48.6	46.2	43.8	38.9	36.5	34.0	31.6	31.6	31.6	31.6	31.6
7.5°	48.6	46.2	41.3	36.5	31.6	29.2	26.7	24.3	24.3	26.7	26.7
10°	48.6	43.8	36.5	31.6	26.7	24.3	21.9	19.4	19.4	19.4	19.4
12.5°	46.2	41.3	34.0	29.2	24.3	19.4	14.6	12.2	12.2	12.2	12.2
15°	43.8	38.9	31.6	24.3	17.0	12.2	9.7	7.3	7.3	7.3	7.3
17.5°	43.8	36.5	29.2	21.9	12.2	7.3	4.9	2.4	2.4	2.4	4.9
20°	43.8	36.5	26.7	17.0	7.3	4.9	4.9	2.4	0.0	2.4	2.4
22.5°	43.8	34.0	21.9	12.2	7.3	4.9	2.4	0.0	0.0	0.0	0.0
25°	46.2	34.0	19.4	9.7	4.9	2.4	0.0	0.0	0.0	0.0	0.0
27.5°	46.2	31.6	17.0	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
30°	48.6	31.6	14.6	4.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	48.6	29.2	9.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	48.6	26.7	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	48.6	24.3	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	51.0	21.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	53.5	19.4	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	55.9	17.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	63.2	17.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	72.9	17.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	87.5	17.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	114.2	14.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	165.3	14.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	277.1	14.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	486.1	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	821.6	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1071.9	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	814.3	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	388.9	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	172.6	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	75.3	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	29.2	4.9	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0
82.5°	12.2	4.9	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0
85°	7.3	4.9	4.9	4.9	2.4	2.4	2.4	0.0	0.0	0.0	0.0
87.5°	4.9	4.9	4.9	4.9	4.9	2.4	2.4	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.71

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison



Color Vector Graphics



Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)